

INTERNATIONAL SEARCH REPORT

International Application No
PCT/NL2004/000724

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16B5/01 B29C65/08
//B29K105:02, B29K105:06, B29L9:00, B29L31:06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B29C F16B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 536 344 A (VAN DREUMEL WILLEM H M) 16 July 1996 (1996-07-16) cited in the application abstract; figures 1-7 -----	1-11
Y	DATABASE WPI Section Ch, Week 197938 Derwent Publications Ltd., London, GB; Class A35, AN 1979-68921B XP002290845 - & JP 54 101878 A (SEIDENSHA DENSHI KOGYO KK) 10 August 1979 (1979-08-10) abstract; figures -----	1-11
Y	DE 201 05 550 U (BRANSON ULTRASCHALL) 16 August 2001 (2001-08-16) page 6, lines 25-27; figure ----- -/-	1-11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- * & * document member of the same patent family

Date of the actual completion of the international search

24 March 2005

Date of mailing of the international search report

04/04/2005

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PCT/NL2004/000724

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 160 071 A (TEXTRON INC) 5 December 2001 (2001-12-05) column 9, lines 40-45 -----	1-11
A	DE 196 10 636 A (MANNESMANN AG) 18 September 1997 (1997-09-18) claims; figure 1 -----	1-11
A	US 5 879 115 A (MEDAL JAMES) 9 March 1999 (1999-03-09) abstract; figures -----	1-11
A	DE 21 13 807 A (SHUR LOK CORP) 23 December 1971 (1971-12-23) claim 1; figures -----	2
A	DE 39 11 741 A (LICENTIA GMBH) 18 October 1990 (1990-10-18) figure -----	1
A	DE 41 41 616 A (JAEGER EBERHARD GMBH) 24 June 1993 (1993-06-24) figure 1 -----	
A	US 6 153 035 A (VAN LAEKEN HOWARD J) 28 November 2000 (2000-11-28) figures -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

In International Application No
PCT/NL2004/000724

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5536344	A	16-07-1996	NONE	
JP 54101878	A	10-08-1979	NONE	
DE 20105550	U	16-08-2001	DE 20105550 U1	16-08-2001
EP 1160071	A	05-12-2001	US 6454891 B1	24-09-2002
			AU 4605601 A	06-12-2001
			BR 0102219 A	13-02-2002
			CA 2345893 A1	02-12-2001
			EP 1160071 A2	05-12-2001
			JP 2002028976 A	29-01-2002
DE 19610636	A	18-09-1997	DE 19610636 A1	18-09-1997
US 5879115	A	09-03-1999	US 5391031 A	21-02-1995
			US 5222850 A	29-06-1993
			AU 5927396 A	18-12-1996
			US 6068718 A	30-05-2000
			WO 9638677 A1	05-12-1996
			US 6068901 A	30-05-2000
			US 5672036 A	30-09-1997
			US 5769256 A	23-06-1998
			US 5861072 A	19-01-1999
			US 5697744 A	16-12-1997
			AU 7109294 A	24-01-1995
			BR 9406978 A	05-03-1996
			DE 69422288 D1	27-01-2000
			EP 0707688 A1	24-04-1996
			JP 9502007 T	25-02-1997
			WO 9501513 A1	12-01-1995
DE 2113807	A	23-12-1971	BE 764702 A1	16-08-1971
			CH 532207 A	31-12-1972
			DE 2113807 A1	23-12-1971
			FR 2085021 A5	17-12-1971
			GB 1297339 A	22-11-1972
			NL 7103879 A	27-09-1971
DE 3911741	A	18-10-1990	DE 3911741 A1	18-10-1990
DE 4141616	A	24-06-1993	DE 4141616 A1	24-06-1993
			WO 9312344 A1	24-06-1993
US 6153035	A	28-11-2000	NONE	